



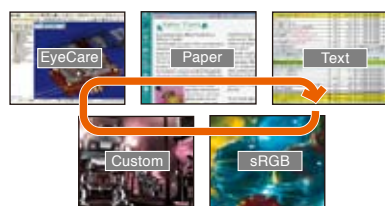
# 19" Standard LCD Monitor FlexScan® S1902



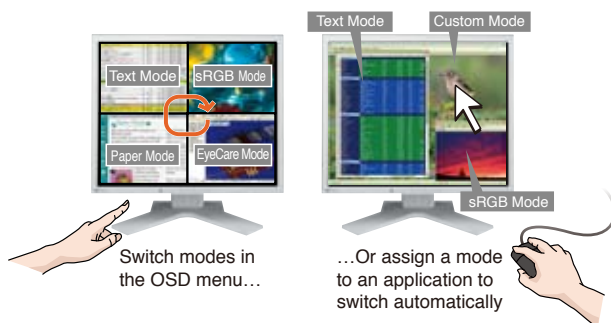
*Ideal for corporate and small offices, the FlexScan S1902 comes with several new preset modes and ecological features for improved visual ergonomics and environmental consciousness.*

## Preset Modes for Optimum Viewing

With EIZO's Fine Contrast function you can choose from several preset modes for the various applications you work with. Toggling between modes can be done manually in the OSD menu or automatically by assigning a mode to a particular application with the bundled ScreenManager Pro for LCD software.

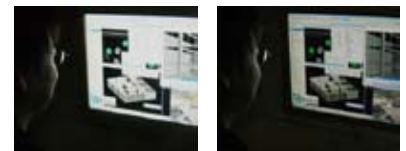


Select the best mode depending on content



## Prevents Eye Fatigue in Dimly-Lit Offices

Fine Contrast includes an EyeCare mode that reduces the screen's brightness to just 3 cd/m<sup>2</sup>. This ultra-low brightness helps prevent eye fatigue and increase productivity when working in an environment with very dim ambient lighting.



Standard Mode

EyeCare Mode

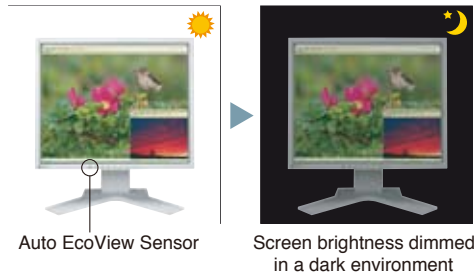
## Closely Simulates Documents and Books

With office and home spending increasing amounts of time viewing documents and books on their monitors rather than in printed form, EIZO is introducing a Paper mode for the first time which simulates the look of paper. Paper mode makes reading documents and ebooks more comfortable and thereby reduces eyestrain. (See page 3 for more information about Paper mode.)



## Optimized Brightness with Auto EcoView

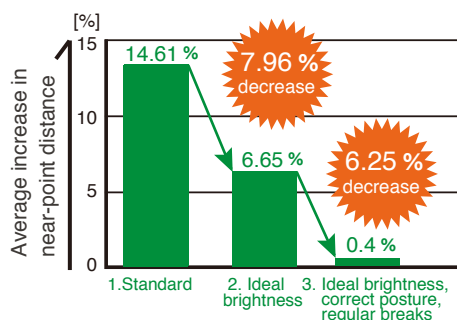
The Auto EcoView function is a sensor on the front of the monitor that measures ambient light and optimizes the screen's brightness to a level akin to viewing a sheet of paper under typical office lighting conditions. Since the screen is never too bright, eye strain is reduced while power consumption is cut by up to 50% compared to operating the monitor with Auto EcoView turned off and set to the default factory brightness of 100%.



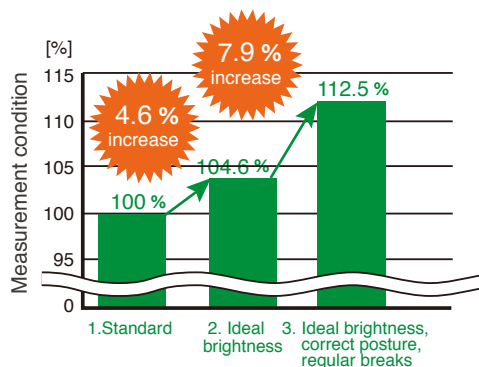
## Improved Work Efficiency, Reduced Visual Fatigue

EIZO conducted a survey in 2008 to establish the relationship between eye fatigue and monitor use. The survey found that when you properly adjust your monitor's brightness, the reduction in your ability to focus drops by half (Graph 1). In addition, maintaining correct working posture and taking regular breaks further reduced fatigue levels and increased work efficiency by 12.5% (Graph 2).

### Comparison between fatigue levels after monitor use



### Quantity of VDT work per unit of time



EIZO monitor features like Auto EcoView, ergonomic stands, and the EyeCare utility help reduce eye fatigue and increase work efficiency.

## Energy Efficiency Gauge

To encourage environmental consciousness while working, a user-activated gauge called EcoView Index displays the level of power savings and equivalent amount of CO<sub>2</sub> reduction compared to using the monitor without Auto EcoView activated and with the screen set at a brightness of 100%.

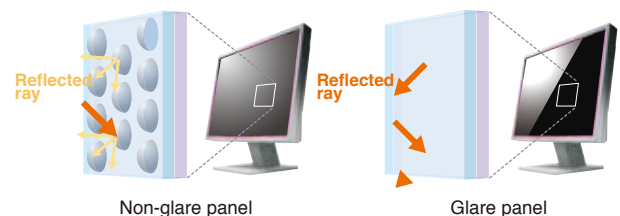


## Auto Image Adjustment

The monitors discern the input signal from the PC and automatically adjust the clock, phase, image location, size, etc. In addition, the signal cables that are bundled with these monitors were developed by EIZO to reduce noise.

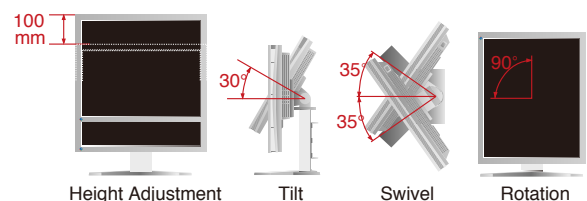
## Anti-Glare Treatment

A non-glare screen reduces eye fatigue by dissipating reflective light that otherwise makes the screen difficult to view. Furthermore, the surface of the monitors' bezels is treated to prevent light reflection.



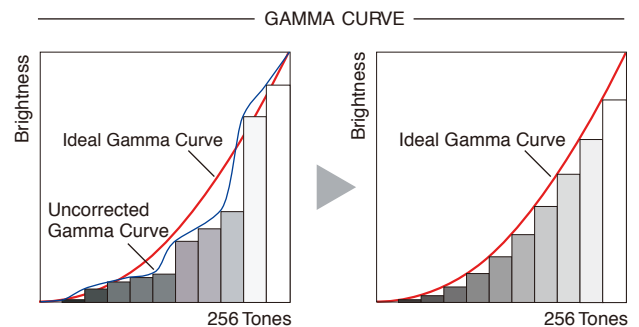
## Viewing Comfort with an Ergonomic Stand

Adjust the screen to the most comfortable position with 100 mm height adjustment, 30° tilt, 70° swivel, and 90° rotation for portrait mode. A basic stand that offers 35° of tilt is also available.



## 10-Bit Gamma Correction

This technology helps achieve accurate color by converting the 8-bit PC data to 10-bit, and assigning the ideal gamma values with a 10-bit look-up table (LUT) then returning the data to 8-bit format for display.



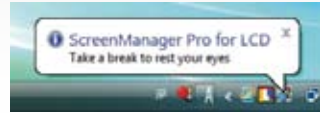
## Built-In Speakers

0.5-watt speakers are tucked away at the back of the monitor and out of view so you can enjoy sound while bezel size is kept to a minimum. A headphone jack is also built into the monitor.



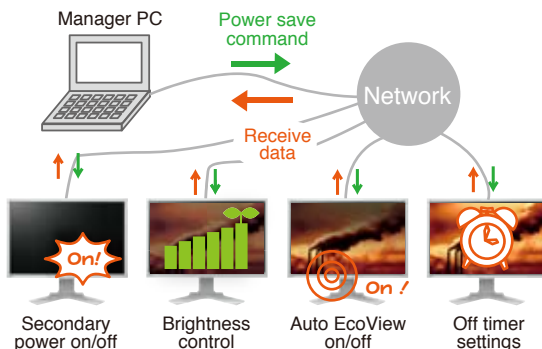
## Eye Care Utility

The EyeCare utility is EIZO-developed software that helps promote better work habits. It consists of an “EyeCare Reminder” function that reminds you to take scheduled breaks, and for your reference, an “EyeCare Recorder” function that records the number of hours you use your monitors.



## Energy Savings across the Network

EIZO's EcoView NET power management software provides centralized control over the power settings of monitors on a network. With EcoView NET, a systems administrator can confirm the settings for each monitor on the network, turn the power on or off, and if necessary, take measures to combat eye fatigue such as adjust the brightness or activate Auto EcoView. EcoView NET is available from EIZO distributors.



## Digital and Analog Inputs

With both DVI-D and D-Sub mini 15-pin inputs, you can use a computer that has either a digital or an analog graphics board (or both if connected to two computers), and quickly switch between the inputs via a front panel button.



## Sync-On-Green Signal Support

Support for sync-on-green ensures these monitors can be used with legacy graphics boards that output this signal.

## Customer Assurance

These monitors are backed by an industry-leading five-year manufacturer's warranty. In addition, they meet the requirements of the world's leading ergonomic and environmental standards.



## Made by EIZO, Made in Japan

While outsourcing production is now common practice in the monitor industry, EIZO continues to manufacture its products the same way it has throughout its 40-year history – with its own staff at its own factories in Japan. This allows EIZO to maintain close control over production quality and offer the industry's only 5-year manufacturer's limited warranty.



## Optional LCD Panel Protectors

These protectors fit easily between the LCD screen and bezel, have a light transmission rate of more than 90%, and include both an anti-glare coating side to reduce light reflection and a glossy side for crisper, more vibrant images.



## What is Paper Mode?

Simply put, it is a mode which adjusts the brightness, contrast ratio, and color temperature of a monitor to simulate those of printed paper. Over the course of a work day PC users must constantly adjust to the difference between how monitors and paper appear. This overworks the muscles of the eyes and is thought to be a source of eye fatigue and stress. Paper mode was developed to alleviate the eye fatigue and stress that PC users feel.

Comparison between paper, EIZO square monitors, and Paper Mode

	Newspaper	Recycled Copy Paper	FlexScan S1902	Paper Mode
Brightness	55% reflection rate, 88 cd/m²*	70% reflection rate, 112 cd/m²*	250 cd/m²	50 – 70% reflection rate
Contrast Ratio	6.2:1	10.7:1	1000:1	About 30:1
Color Temperature	3477 K	3828 K	6500 K (default)	4000 – 5000 K

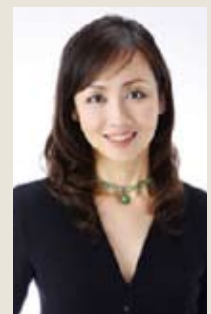
\*Measured at an ambient brightness of 500 lx.

EIZO was among the first manufacturers to offer LCD monitors for graphics markets like printing, publishing, advertising, and photography and continues to offer products for these markets. Paper mode is a combination of the knowledge gleaned from developing monitors that very closely reproduce printed color as well as a design philosophy that emphasizes ergonomics.



## Eye Fatigue and Operational Efficiency (Paper Mode for Business People)

For the contemporary worker who requires a PC, preventing eye fatigue is directly related to raising work efficiency. In particular, people who read a lot of textual information will find a monitor screen that is gentle on the eyes to be a powerful ally. So, in a viewing environment where one reads documents and newspapers, Paper mode could be widely used and appreciated by business people.



Katsue Takabayashi  
VDT Occupational Safe & Health Education Instructor  
President of Digital Health Center Corporation



<b>Model Variations<sup>1</sup></b>	Height Adjustable Stand, Tilt Stand, Without Stand
<b>Panel Size</b>	19" / 48 cm (481 mm diagonal)
<b>Active Display Size (H × V)</b>	376 × 301 mm
<b>Panel Type</b>	TN
<b>Viewing Angles (H, V)</b>	170°, 160° (at contrast ratio of 5:1)
<b>Brightness</b>	250 cd/m <sup>2</sup>
<b>Contrast</b>	1000:1
<b>Response Time</b>	Black-white-black: 5 ms
<b>Native Resolution</b>	1280 × 1024 (5:4 aspect ratio)
<b>Pixel Pitch</b>	0.294 × 0.294 mm
<b>Display Colors</b>	16.77 million from a palette of 1.06 billion
<b>Look-Up Table</b>	10 bits per color
<b>Cabinet Colors</b>	Gray, Black
<b>Dot Clock</b>	Analog: 135 MHz, Digital: 108 MHz
<b>Analog Scanning Frequency (H, V)</b>	31 – 80 kHz, 50 – 75 Hz
<b>Digital Scanning Frequency (H, V)</b>	31 – 64 kHz, 59 – 61 Hz (VGA Text: 69 – 71 Hz)
<b>Video Input Terminals</b>	D-Sub mini 15 pin, DVI-D 24 pin
<b>Audio Input / Output Terminals</b>	3.5 mm stereo jack / 3.5 mm headphone jack
<b>Speakers</b>	0.5 W + 0.5 W speakers
<b>Plug &amp; Play</b>	VESA DDC 2B
<b>Power Requirements</b>	AC 100 – 120 V / 200 – 240 V, 50 / 60 Hz
<b>Power Consumption</b>	15 W (typical), 30 W (maximum)
<b>Power Save Mode</b>	Less than 0.6 W
<b>Height Adjustment Range</b>	With Height Adjustable Stand: 100 mm
<b>Tilt / Swivel / Pivot</b>	With Height Adjustable Stand: 30° Up, 0° Down / 35° Right, 35° Left / 90° With Tilt Stand: 30° Up, 5° Down / – / –
<b>Dimensions (W × H × D)</b>	With Height Adjustable Stand: 405 × 406.5 – 506.5 × 205 mm With Tilt Stand: 405 × 416 × 205 mm Without Stand: 405 × 334 × 61.5 mm
<b>Net Weight</b>	With Height Adjustable Stand: 7.2 kg With Tilt Stand: 6 kg Without Stand: 5.2 kg
<b>Preset Modes</b>	Fine Contrast (Text, sRGB, EyeCare, Paper, Custom), Auto Fine Contrast <sup>2</sup>
<b>EcoView Settings</b>	Auto EcoView, EcoView Index
<b>Screen Adjustment</b>	Clock, Phase, Position, Range (Auto), Screen Size (full screen), Smoothing (5 stages)
<b>Color Adjustment</b>	Brightness, Contrast, Temperature, Gain, Reset
<b>Power Management</b>	Power Save (VESA DPMS and DVI DMPM), Off Timer
<b>Sound</b>	Volume
<b>Other Settings</b>	Signal Switching, Power Indicator, Product Information (name, serial number, resolution, operating time, etc.), OSD Menu Position, Adjustment Lock, DDC/CI Lock, Sync on Green, Languages (English, French, German, Italian, Japanese, Simplified and Traditional Chinese, Spanish, Swedish), Reset
<b>Certifications and Standards</b>	TCO Displays 5.1, EPEAT Gold (US), TÜV/Ergonomics (including ISO 9241-307), TÜV/GS, C-Tick, CE, CB, cTUVus, FCC-B, Canadian ICES-003-B, TÜV/S, VCCI-B, EPA Energy Star, RoHS, WEEE
<b>Supplied Accessories</b>	AC power cord, signal cables (D-Sub – D-Sub, DVI-D – DVI-D), audio cable, setup guide, CD-ROM (PDF user's manual, ScreenManager Pro for LCD [DDC/CI], ScreenSlicer software), 4 screws for mount option, warranty card
<b>Warranty</b>	Five Years <sup>3</sup>

<sup>1</sup> Model variations are subject to local availability. For details, please contact the Eizo subsidiary or distributor in your country. <sup>2</sup> The bundled ScreenManager Pro for LCD is necessary to activate Auto Fine Contrast. <sup>3</sup> The usage time is limited to 30,000 hours or less, and the warranty period of the LCD panel is limited to three years from the date of purchase.



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